

NOTES & NEWS

Russian Contributions to Malacology

BY

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RUSSIAN MALACOLOGICAL LITERATURE remains largely unknown in the scientific community of the Free World until it is translated into a Western language, or cited in the Zoological Record. The *Referativnyy Zhurnal*, a publication of the Government Committee of the Soviet Ministry of the USSR for Science and Technology (Gosudarstvennyy komitet soveta ministrov CCCP po nauke i tekhnike) and the Academy of Science (Akademiya nauk soyuzu sovetsskikh sotsialisticheskikh respublik), is issued monthly in Moscow by the All Union Institute for Scientific and Technological Information (Vsesoyuznyy institut nauchnoy i tekhnicheskoy informatsii). Section D in Biology considers General Zoology, Invertebrate Zoology and Hydrobiology. The neontological literature on mollusks is under Invertebrate Zoology.

World literature is considered, and for most papers, a Russian translation of the author's original abstract or a résumé written by a Russian authority, is included.

I have reviewed the 12 issues of the *Referativnyy Zhurnal* for the year 1968 and translated the titles of the Russian articles contained therein. Although the volume of literature is not as great as might have been anticipated (paleontological papers are not included), certain book length items and symposia are significant. The date on all papers published in 1967 has been omitted. I have abbreviated the following:

- ZZ Zoologicheskii Zhurnal (Zoological Journal)
BWHO Byul. Vsemiri. Organiz. Zdravookhr. (Bulletin of the World Health Organization)
TZIL Trudi zool. inst. Akad. nauk (Works of the Zoological Institute of the Academy of Science of the USSR, Leningrad)
ES English summary

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ALIMOV, A. F.

On the possible role of animal filtrators in the process of self-purification of water bodies, on the example of the population of the freshwater mollusc *Sphaerium corneum* (1). TZIL, 42: 305-311
Authors

Mollusks and their role in the ecosystem. Acad. Nauk SSSR, Zool. Inst. Leningrad, Nauka, 95 pp., illus.

BARAL, A. A.

Some information on the biology of the squids of the southeastern region of the Pacific Ocean. Rybnoe Khoziaistvo. No. 8. pp. 15-17
BESHEVLI, L. E. & V. A. KOLYAGIN

On the discovery of the mollusk *Mya arenaria* (Bivalvia) in the northwestern part of the Black Sea. Vestnik zoologii. No. 3, pp. 82 to 84

BOROVYAGIN, V. L. & D. A. M. SAKHAROV

1968. The ultrastructure of the gigantic (nerve) axons of triton. Atlas Nauka. 100 pp., illus.

BURGHINS'KA, L. F.

1968. Histochemical peculiarities of the nerves of *Planorbis cornutus*. Fiziol. Zhur. 14 (2): 266-267 (Ukrainian)

BUTENKO, YU. V.

On the freshwater molluscan fauna of southern and southeastern Kazakhstan. TZIL, 42: 205-212

CRIDLAND, C. C.

The stability of the mollusks *Bulinus (Physopsis) globosus*, *Bulinus (Ph.) africanus*, *Biomphalaria pfeifferi* and *Lymnaea natalensis* to desiccation under experimental conditions. BWHO, 36 (3): 497 to 503

DAWOOD, I. & B. DAZO

Field trials of two new molluscicides (molytseda and WL 8008) in the district of project "Egipet-49." BWHO, 35 (6): 439-946

GOLIKOV, A. N. & O. A. SCARLATO

The mollusks of Possiet Bay (Japan Sea) and their ecology. TZIL, 42: 5-154

GOLYSHKINA, R. A.

The mollusks of the Angara River. Izv. giol. geogr. sci., Inst. Irkutsk. Univ., 20: 65-94

GROSSU, A. V.

Caucasian element in the malacofauna of Rumania. TZIL 42: 155-158

KARNAYKHOV, V. N., E. V. MEL'NIKOVA, V. A. SVOREN' & R. T. FIN
1968. Comparative microspectral investigations of the central nervous systems of mollusks. Biofizika, 13 (3): 477-482

KISELEVA, M. I.

Additions to the gastropod fauna of the Black Sea. ZZ 46 (5): 764-765 (ES)

KONDRAT'EV, G. P.

On the methods of studying the filtering rate in mollusks. (In) Fauna of the reservoir of Volgograd and its influence on pollution. Saratov, Saratovsk. Universitet, pp. 100-106

On the extent of mineralogical formation of bivalve mollusks in the Volgograd reservoir. ibid. pp. 16-24

KRUGLOV, N. D.

On the biology of the little pond snails (*Lymnaea*) in the region of Smolensk. ZZ 46 (5): 676-679 (ES)

LAZAREVA, A. I.

On the systematics of the small pond snails (Family Lymnaeidae, Gastropoda Pulmonata) from Kazakhstan. TZIL 42: 198-204

On the systematics of the small pond snails of Kazakhstan from the group of *Lymnaea palustris* MÜLLER (Gastropoda, Pulmonata). ZZ 46 (9): 1340-1349 (ES)

LIKHAREV, I. M. & YA. I. STAROBOGATOV

Materials on the mollusk fauna of Afganistan. TZIL 42: 159-197
LOGVINENKO, B. M. & YA. I. STAROBOGATOV

On the study of species composition of bivalve mollusks in thanatocoenoses on the underwater slope of the Azerbaidzhan coast. (In) Opyt geologo-geomorf. i gidrobiol. issled. beregovoy zony morya. Leningrad, Nauka. pp. 225-235

MEYLING, A. H., J. MEYLING & R. J. PITCHFORD

1966. Physico-chemical features of the matters used as molluscicides, hydrolyzed sodium-tritilmorfolina (Shell WL 8008). BWHO 35 (5): 759 - 762

MIKHEEV, V. P.

Filter feeding on *Dreissena*. Trudi Vsesoyuznyy nauchno-issledovatel'skii institut prud. Rybnogo Khoziaistva, 15: 117 - 129 (ES)

MILEYKOVSKIY, S. A.

The larval morphologies of the Monoplacophora and bivalved gastropods and their position in the system of molluscan types. ZZ 46 (6): 850 - 855 (ES)

NATSVLISHGHVILI, M. G.

On studies on the land mollusks of the vicinity of Tiflis. Soobshcheniia Akademii Nauk Gruzinskoi SSR. 48 (1): 191 - 194

NEYFERT, A. V.

The rate of filtration and the passage of food through the digestive tract of *Cardium edule* (L.) (In) Data on the biocoenosis and biology of benthic organisms in the Black Sea. Kiev, Science Memorial, pp. 113 - 121

NIKOLAEV, V. A.

On the mass reproduction of slugs in the region of Orlov. Uchenye zapiski Orlovskogo gosudarstvennogo pedagogicheskogo instituta. 35: 117 - 122

On the forecast of mass reproduction of slugs in the region of Orlov. (In) Materials of the third zoological congress, pedagogical institute of the Russian soviet federation of socialist republics. pp. 326 - 329

Morphological and biological features of the egg of the reticulated slug (*Deroceras reticulatum* MÜLL.). Uchenye zapiski Orlovskogo gosudarstvennogo pedagogicheskogo instituta, 35: 123 - 128

REZNIK, Z. V.

Investigations of the fauna of land mollusks in the Stavropol region. Sbornik statey po zool., Krasnodar, pp. 97 - 101

SAL'SKIY, V. A.

1968. On some distinctions of syndesmyas -- *Abra* (*Syndesmya*) PHIL., acclimated in the Caspian Sea from the Azov Sea. Ecological biogeography of the contact zone of the sea. Kiev, Science Memorial, pp. 91 - 95

SHIFF, K.

1966. Experiments with the use of the chemical Sodium-tritilmorfolina (Shell WL8008) in its role as a molluscicide in Southern Rhodesia. BWHO, 35 (2): 205 - 214

SHILEYKO, A. A.

On variable characteristics of some land mollusks. Vestnik, Moskov. Universitet. Seriya Biologii, Pochvovedeniia, no. 2, pp. 14 - 21

Systematic notes on the genus *Helicella* FER. (Pulmonata, Helicidae) with descriptions of new species from Talysha. Vestnik, Moskov. Universitet. Seriya Biologii, Pochvovedeniia, no. 4, pp. 27 - 34

Materials on the molluscan fauna of the family Ellobiidae in Talysha. Nauchnye doklady Vyshei Shkoli biologicheskie nauki. No. 8, pp. 20 - 23

On the ecology of the land mollusks of the Kola Peninsula. Byulleten Moskovskogo obshchestva ispytatelei prirody, Otdel biologii. 72 (6): 42 - 45 (ES)

On the reproductive biology and the adaptation of the juvenile of the slug *Parmacella iberica*. ZZ 46 (6): 948 - 949 (ES)

On the question of the variability of a lymnaeid (Mollusca, Gastropoda) in the Kola Peninsula. Gidrobiol. Zhurnal. 3 (3): 77 - 80

1968. Mollusks of the family Helicidae (Pulmonata:Stylommatophora) from Talysha. ZZ, 47 (3): 337 - 347 (ES)

SMIRNOVA, N. F.

1968. On the existence of two forms of the edible bivalve mollusk *Crenomytilus grayanus* DUNKER. Doklady Akad. Nauk SSSR., 179 (3): 742 - 745

SOKOLOV, E. N., G. G. ARAKELOV & L. B. LEVINSON

Parallel excitation with spontaneously discharging neurons in ganglia of the little pond snail, *Limnaea stagnalis*. (In) Evolution neurophysiol. and neurochem., Nauka, Leningrad, pp. 3 - 11 (ES)

SOKOLOV, V. A.

On the pedal-visceral connective in the nervous system of the pearly mussel *Unio pictorum*. (In) Evolution. neurophysiol. and neurochem., Nauka, Leningrad, pp. 26 - 30 (ES)

SPASSKIY, N. N.

Life cycle of the mollusk *Adacna vitrea* and seasonal dynamics of its biomass and numbers. Trudi Kaspiiskii nauchno-issledovatel'skii institut Khoziaistva. 23: 91 - 94

STADNICHENKO, A. P.

1968. Phospholipids in digestive glands of mollusks parasitized by a larval trematod. Parazitologiya 2 (2): 177 - 178 (ES)

STAROBOGATOV, YA. I.

On the construction of a system for freshwater pulmonate mollusks. TZIL 42: 280 - 304

STAROBOGATOV, YA. I. & E. A. STRELETSKAYA

The composition and the zoogeographic characteristics of the freshwater mollusk fauna of eastern Siberia and the northern Far East. TZIL 42: 221 - 268

TATISHVILI, K. G., K. G. BAGDASARYAN & ZH. R. M. KAZAKHASHVILI

1968. Reference book on the ecology of marine gastropods. The way of life of gastropod mollusks, belonging to the generic types present in the Cenozoic of the South of the USSR. Nauka, 169 pp.

TURPAEV, T. M., C. H. NISTRATOVA & D. A. SAKHAROV

The evolution of cholinergic regulation of the activity of the heart in mollusks. Zhurnal Obshchaia Biol. 28: 618 - 626 (ES)

USHAKOV, B. P. & I. M. PASHKOVA

Intrapopulation variation of heat resistance of muscles and glycerin-prepared muscle strands in different populations of Black Sea mid *Mytilus*?. (In) The variation of heat resistance of animal cells in ontogeny and phylogeny. Leningrad, Nauka, pp. 74 - 81 (ES)

UVALIEVA, K. K.

New species of land mollusks from the southern Altai. TZIL, 42: 213 - 220

VINNIKOV, YA. A., O. G. GAZENKO *et al.*

1968. Cyto-chemical and electron-microscopical investigations on the statocysts of cephalopod mollusks. Zhurnal Evolyuts. biokhimii i fiziol. 4 (1): 10 - 23 (ES)

WRIGHT, C. A. & G. C. ROSS

1966. Investigations on the egg albumins of the mollusks *Bulinus africanus* and *B. forskalii* by an electrophoretic method. BWHO. 35 (5): 749 - 758